BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Estimate for Improvements and Asphalting to Zee School Road, KNV 1st Stage and Blue Moon Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.*

JOB CODE:

Estimated Cost: Rs. 19.99 Lakhs

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಯಲಹಂಕ ವಲಯ

ಬೆಂಗಳೂರು – 92.

ವಿಷಯ: Improvements and Asphalting to Zee School Road, KNV 1st Stage and Blue Moon Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Divisionನ ಕಾಮಗಾರಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಅನುಮೋದನೆಗೆ ಸಲ್ಲಿಸುವ ಬಗ್ಗೆ.

ಕಾಮಗಾರಿ ಸಂಕೇತ:

* * * * *

ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪವಿಭಾಗದ ವಾರ್ಡ್ ನಂ. 10ರ ವ್ಯಾಪ್ತಿಯಲ್ಲಿನ ಜೀ ಶಾಲೆ ರಸ್ತೆ, ಕೆ.ಎನ್.ವಿ 1ನೇ ಹಂತ ಮತ್ತು ಬ್ಲೂ ಮೂನ್ ಗಾರ್ಡನ್ ರಸ್ತೆಗಳ ಅಭಿವೃದ್ಧಿ ಕಾಮಗಾರಿಗೆ 2013–14ನೇ ಸಾಲಿನ ಅನುದಾನದಡಿ ರೂ. 19.99 ಲಕ್ಷಗಳ ಅನುದಾನಕ್ಕೆ ಅನುಮೋದನೆಯಾಗಿರುತ್ತದೆ.

ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿನ ಜೀ ಶಾಲೆ ರಸ್ತೆ, ಕೆ.ಎನ್.ವಿ 1ನೇ ಹಂತ ಮತ್ತು ಬ್ಲೂ ಮೂನ್ ಗಾರ್ಡನ್ ರಸ್ತೆಗಳು ಜಲ್ಲಿ ರಸ್ತೆಗಳಾಗಿದ್ದು, ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಬೆಂಗಳೂರು ಜಲಮಂಡಳಿ ವತಿಂದ ಒಳಚರಂಡಿ ಕೊಳವೆ ಸಾಲುಗಳನ್ನು ಅಳವಡಿಸಲು ರಸ್ತೆಗಳನ್ನು ಅಗೆದಿದ್ದು, ಕೊಳವೆ ಮಾರ್ಗಗಳನ್ನು ಅಳವಡಿಸಿ ಮಣ್ಣು ಸರಿಯಾಗಿ ಮುಚ್ಚದೆ ರಸ್ತೆಗಳು ಗುಂಡಿಗಳು ಹಾಗೂ ದೂಳಿನಿಂದು ಕೂಡಿರುತ್ತದೆ ಹಾಗೂ ಸಾರ್ವಜನಿಕರ ಸಂಚಾರಕ್ಕೆ ತುಂಬ ತೊಂದರೆಯಾಗಿರುತ್ತದೆ. ಆದ್ದರಿಂದ ಸದರಿ ರಸ್ತೆಗಳನ್ನು ಅಭಿವೃದ್ಧಿ ಪಡಿಸಲು ಸ್ಥಳೀಯ ಚುನಾಯಿತ ಪ್ರತಿನಿಧಿಗಳು ಕೋರಿರುವುದರ ಮೇರೆಗೆ 2013–14ನೇ ಸಾಲಿನ ಕಾರ್ಯಕ್ರಮದ ಯೋಜನೆಯಡಿ ಕಾಮಗಾರಿಯನ್ನು ಸೇರಿಸಿಕೊಂಡು ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಬೇಕಾಗಿರುತ್ತದೆ, ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ಹಿಸಲು ಈ ಕೆಳಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜನ್ನು ತಯಾರಿಸಿ ಸಲ್ಲಿಸಲಾಗಿದೆ.

1. ಚರಂಡಿಯಲ್ಲಿರುವ ಮಣ್ಣು ಹಾಗೂ ಇತರೆ ತ್ಯಾಜ್ಯವನ್ನು ತೆಗೆದು ಹೊರಸಾಗಿಸುವುದು.
2. ತಗ್ಗು ಪ್ರದೇಶದಲ್ಲಿನ ರಸ್ತೆಗಳನ್ನು ಗುಣ್ಣಮಟ್ಟದ ವೆಟ್ ಮಿಕ್ಸ್ ಅಳವಡಿಸುವುದು.
3. ರಸ್ತೆಯ 25 ಎಂ.ಎಂ ದಪ್ಪದ ಎಸ್.ಡಿ.ಬಿ.ಸಿ ಯಿಂದ ಡಾಂಬರ್ ಮಾಡುವುದು ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಅಂದಾಜನ್ನು 2013–14ನೇ ಸಾಲಿನ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ದರಪಟ್ಟಿಯನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ರೂ. 19.99 ಲಕ್ಷಗಳಿಗೆ ತಯಾರಿಸಿದ್ದು, 2013–14ನೇ ಸಾಲಿನ ಕಾರ್ಯಕ್ರಮದಡಿಯಲ್ಲಿನ ಅನುದಾನದಲ್ಲಿ ಅನುಮೋದಿಸಿ ಕಾಮಗಾರಿ ಸಂಕೇತ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ಹಾಗೂ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಯನ್ನು ನೀಡಲು ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ. 10 (ದೊಡ್ಡಬೊಮ್ಮಸಂದ್ರ)
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪವಿಭಾಗ
ಬೃ.ಬೆಂ.ಮ.ಪಾ., ಬೆಂಗಳೂರು – 97.

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements and Asphalting to Zee School Road, KNV 1st Stage and Blue Moon Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

						Estimate Cost:	1999000.00	
Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.1/ PWD SR 2013-14**	Cum							
Desilting of Drains								
Zee School Road		2	160.00	0.45	0.30	43.20		
KNV 1st Stage								
Main Road		2	183.00	0.45	0.30	49.41		
1st Cross Road		2	133.00	0.45	0.30	35.91		
Blue Moon Garden								
Main Road		2	101.00	0.45	0.30	27.27		
1st Cross Road		2	55.00	0.45	0.30	14.85		
2nd Cross Road		2	116.00	0.45	0.30	31.32		
Interrior Road		2	60.00	0.45	0.30	16.20		
						218.16	65.88	**14372.00**
Basic Rate	61.00							
Area Weightage @8%	4.88							
Total	**65.88**							
KSRRB 300-45: Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet/surface dressing and stacking of old serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, **Page No. 158 / Item No. 19.51/ PWD SR 2013-14**	Sqm							
Zee School Road		1	160.00	5.00		800.00		
KNV 1st Stage								
Main Road		1	183.00	4.50		823.50		
1st Cross Road		1	133.00	4.50		598.50		
Blue Moon Garden								
Main Road		1	101.00	4.50		454.50		
1st Cross Road		1	55.00	4.50		247.50		
2nd Cross Road		1	116.00	4.50		522.00		
Interrior Road		1	60.00	4.50		270.00		
						3716.00	40.50	**150498.00**
Basic Rate	37.50							
Area Weightage @ 8%	3.00							
Total	**40.50**							

Sl. No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
3	KSRRB M400-17. Providing, laying, spreading & compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **Page No.170 / Item No. 20.18 PWD SR - 2013-14.**	Cum							
	Zee School Road		1	160.00	4.50	0.15	108.00		
	KNV 1st Stage								
	Main Road		1	183.00	5.00	0.15	137.25		
	1st Cross Road		1	133.00	4.50	0.15	89.78	119.70	
	Blue Moon Garden					0.2			
	Main Road		1	101.00	4.50	0.15	68.18		
	1st Cross Road		1	55.00	4.50	0.15	37.13		
	2nd Cross Road		1	116.00	4.50	0.15	78.30	104.40	
	Interrior Road		1	60.00	4.50	0.15	40.50		
							559.13	1121.04	**626801.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04					615.15		689608.0
	Total	**1121.04**							
4	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **Page No. 175 / Item No. 21.1 PWDSR 2013-14**	Sqm							
	Zee School Road		1	160.00	4.50		720.00		
	KNV 1st Stage								
	Main Road		1	183.00	5.00		915.00		
	1st Cross Road		1	133.00	4.50		598.50		
	Blue Moon Garden								
	Main Road		1	101.00	4.50		454.50		
	1st Cross Road		1	55.00	4.50		247.50		
	2nd Cross Road		1	116.00	4.50		522.00		
	Interrior Road		1	60.00	4.50		270.00		
							3727.50	10.53	**39251.00**
	Basic Rate	9.75							
	Area Weightage @ 8%	0.78							
	Total	**10.53**							
5	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 175 / Item No. 21.6 / PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 4				3727.50		

Sl No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	KNV 1st Stage								
	Main Road		61	1.50	0.10		9.15		
	1st Cross Road		45	1.50	0.10		6.75		
	Blue Moon Garden								
	Main Road		36	1.50	0.10		5.40		
	1st Cross Road		18	1.50	0.10		2.70		
	2nd Cross Road		39	1.50	0.10		5.85		
							187.55	471.96	88516.00
	Basic Rate	437.00							
	Area Weightage @ 8%	34.96							
	Total	**471.96**							
8	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum					Vide Item No. 1	218.16 72.71	15861.00
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
9	Miscellaneous and other Charges	L/S							1117.00
	I.T.P.I Charges								19990
								Total	**1999000.00**

Technical Sanction for Rs. Rs 19.99 Lakhs
Rs. Nineteen lakhs ninety nine thousand
P-1771
Registered as EE (...) No. 170/13-14 Subject to conditions contained in enclosed memo. No. 170/20/13-14 Dt. 29/10/13
AEE/JE
EE (BTP.Div.)

(Rs. Ninteen Lakhs Ninety Nine Thousand Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 This work included under 2013-14 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

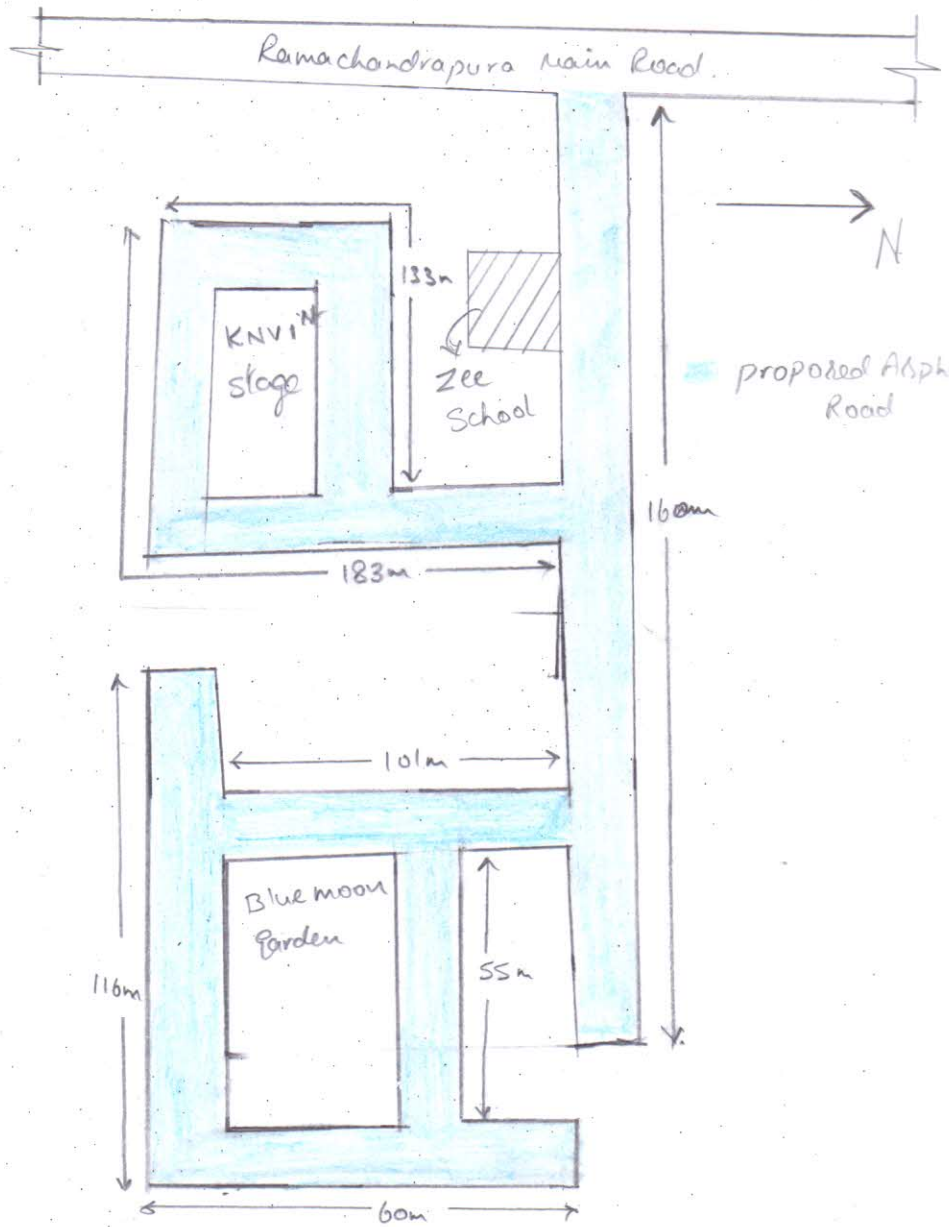
ADMINISTRATIVELY S... for Rs 19.99 Lakhs
Rupees Ninteen lakhs Ninty Nine thousand only
Under P-1771

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Registered as EE (...) No 3...9...
Subject to conditions contained in enclosed memo EE ( ) No IC(Yel) 38/13-14
Dt 30/10/13 Estimate A/Sanctioned
No
dated Rs 19.99 Lakhs

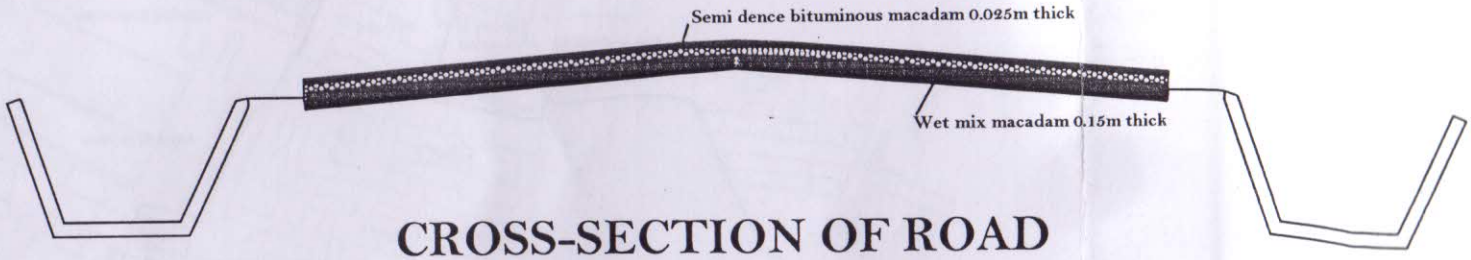
Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-93
30/10/13

Sketch for Estimate for Improvements and Asphalting to Zee School Road, KNV 1st Stage and Blue Moon Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.



Seethan
AE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97



CROSS-SECTION OF ROAD

INDEX

- Wet mix macadam
- Semi dence bituminous concret

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
VIDYARANYAPURA SUB DIVISION.

152 - BYATARAYANAPURA AC
WARD NAME : 10 - DODDA BOMMASANDRA

Zadhav
AE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							3727.50	44.28	165054.00
	Basic Rate	41.00							
	Area Weightage @ 8%	3.28							
	Total	**44.28**							
6	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 175/ Item No. 21.20.1/ PWD SR 2013-14**	Cum							
	Zee School Road		1	160.00	4.50	0.025	18.00		
	KNV 1st Stage								
	Main Road		1	183.00	5.00	0.025	22.88		
	1st Cross Road		1	133.00	4.50	0.025	14.96		
	Blue Moon Garden								
	Main Road		1	101.00	4.50	0.025	11.36		
	1st Cross Road		1	55.00	4.50	0.025	6.19		
	2nd Cross Road		1	116.00	4.50	0.025	13.05		
	Interrior Road		1	60.00	4.50	0.025	6.75		
							93.19	9631.44	**897530.00**
	Basic Rate	8918.00							
	Area Weightage @ 8%	713.44							
	Total	**9631.44**							
7	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, **No. 197 / Item No. 24.15 PWD SR 2013-14**	Sqm							
	Somanna Garden								
	Road Sides								
	Zee School Road		2	160.00	0.10		32.00		
	KNV 1st Stage								
	Main Road		2	183.00	0.10		36.60		
	1st Cross Road		2	133.00	0.10		26.60		
	Blue Moon Garden								
	Main Road		2	101.00	0.10		20.20		
	1st Cross Road		2	55.00	0.10		11.00		
	2nd Cross Road		2	116.00	0.10		23.20		
	Center Line								
	Zee School Road		54	1.50	0.10		8.10		